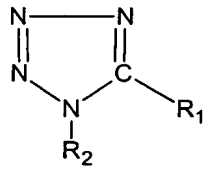
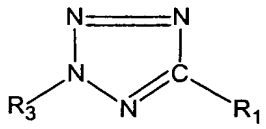
c) at least one combustion moderator selected from substances that influence the combustion and its rate by heterogeneous or homogeneous catalysis.

2. (Twice Amended) Gas-producing composition according to claim 1, wherein said nitrogen-containing compound is one or more tetrazole derivatives of the formulae IA or IB:



IA



IB

wherein R_1 and R_2 or R_3 are identical or different and are hydrogen, hydroxy, amino, carboxy, an alkyl residue of 1-7 carbon atoms, an alkenyl residue of 2-7 carbon atoms, an alkylamino residue of 1-10 carbon atoms, an aryl residue, an arylamino residue, a substituted aryl residue or a substituted arylamino residue, the substituted aryl residue or substituted arylamino residue being substituted by one or several substituents which are identical or different, and which are selected from the group consisting of an amino group, a nitro group and an alkyl group of 1-4 carbon atoms or a sodium, a potassium or a guanidinium salt of said tetrazole or tetrazole derivative.

3. (Twice Amended) Gas-producing composition according to claim 2, wherein R_1, is selected from the group consisting of hydrogen, amino, hydroxy, carboxyl, a methyl, ethyl, propyl, isopropyl, butyl, isobutyl, tert-butyl, n-pentyl, n-hexyl, n-heptyl, methylamino, ethylamino, dimethylamino, n-heptylamino, n-octylamino, n–decylamino, tetrazole, phenylamino, phenyl, nitrophenyl, and aminophenyl; and R_2 or R_3 is selected from the group consisting of hydrogen, a methyl, ethyl, phenyl, nitrophenyl, and aminophenyl radical.

4. (Twice Amended) Gas-producing composition according to claim 1, wherein the nitrogen-containing compound is a tetrazole derivative selected from the group consisting of 5-aminotetrazole; lithium, sodium, potassium, zinc, magnesium, strontium or calcium 5-aminotetrazolate; 5-aminotetrazole nitrate, sulphate, or perchlorate; 1-(4-aminophenyl)-tetrazole, 1-(4-nitrophenyl)-tetrazole, 1-methyl-5-dimethyl-aminotetrazole, 1-methyl-5-methylamino-tetrazole, 1-methyltetrazole, 1-phenyl-5-aminotetrazole, 1-phenyl-5-hydroxytetrazole, 1-phenyltetrazole, 2-ethyl-5-aminotetrazole, 2-methyl-5-aminotetrazole, 2-methyl-5-carboxyltetrazole, 2-methyl-5-methylaminotetrazole, 2-methyltetrazole, 2-phenyltetrazole, 5-(p-tolyl)tetrazole, 5-diallylaminotetrazole, 5-dimethylaminotetrazole, 5-ethylaminotetrazole, 5-hydroxytetrazole, 5-methyltetrazole, 5-methylaminotetrazole, 5-n-decylaminotetrazole, 5-n-heptylaminotetrazole, 5-n-octylaminotetrazole, 5-phenyltetrazole, 5-phenylaminotetrazole, bis-(aminoganidine)-azotetrazole and diguanidinium-5,5'-azo-tetrazolate, 5,5'-bitetrazole and 5,5'-bi-IH-tetrazoleammonium compounds.

7. (Twice Amended) Gas-producing composition according to Claim 1, wherein said gas-producing composition contains as the at least three oxidant

compounds ~~a combination~~ of zinc peroxide, potassium perchlorate and at least one nitrate.

9. (Twice Amended) Gas-producing composition according to Claim 1, wherein the ratio of the nitrogen-containing compound to the oxidants is balanced such that on combustion of the gas-producing composition, oxygen is formed in excess.

~~10~~. (Twice Amended) ~~Gas-producing~~ composition according to Claim 1, wherein the combustion moderator is present in an amount up to 8%.

11. (Twice Amended) Gas-producing composition according to Claim 1, wherein the combustion ~~moderator is selected~~ from the group consisting of metals, metal oxides, metal carbonates, metal sulphides and mixtures thereof.

14. (Twice Amended) Gas-producing composition according to Claim 1, wherein said gas-producing composition further comprises an additional substance selected from the group consisting of combustion moderators, noble metals, mixtures of these compounds, basically reacting substances selected from the group consisting of oxides, hydroxides, carbonates of alkali and alkaline earth metals, zinc, mixtures of these compounds, urea, guanidine compounds having NH_2 groups selected from the group consisting of amidosulphonic acids, amido complexes, amides, and mixtures of these compounds.